Programming for Open Platforms at Universities: Experience of Joint Activity of Petrozavodsk State University and Nokia University Cooperation Program

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Abstract

We show that Russian state educational standards "Applied Mathematics and Computer Science" and "Information Systems and Technology" are appropriate for teaching students to industrial programming tools and technology on open platforms. We introduce our scheme of study courses that provides mastering students to the software development competences. The core of scheme is the course on Software Engineering (SE) for 3rd year students. The approach essentially facilitates "the phase transition" of a student personality from her/his educational activity to the labor one, accelerating admission of graduates into manufacturing processes of the software industry. The approach applicability is demonstrated with examples of SE projects for Nokia Internet tablets on the open Maemo platform.